

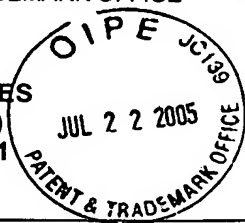
JC10 Rec'd PCT 22 JUL 2005

FORM PTO-1390  
(REV 2-2005)  
OMB-0651-0021

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.  
11016-0036

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371



DATE: July 22, 2005

U.S. APPLN. NO.  
(IF KNOWN, SEE 37 C.F.R. 1.5)  
10/532,736

INTERNATIONAL APPLICATION NO.  
PCT/EP2003/013342

INTERNATIONAL FILING DATE  
October 27, 2003

PRIORITY DATE CLAIMED  
October 25, 2002

TITLE OF INVENTION: SUB-MILLIMETRE WAVELENGTH CAMERA

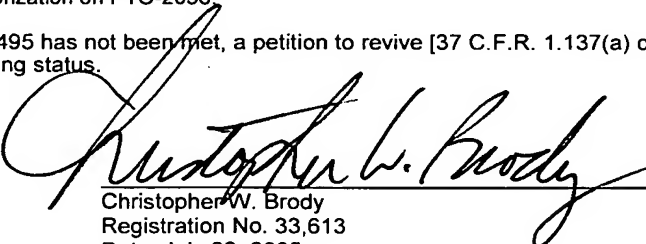
APPLICANT(S) FOR DO/EO/US: Dario Calogero CASTIGLIONE, Luisa DEIAS, Inigo EDERRA-URZAINQUI, David Brian HASKETT, Derek JENKINS, Alexandre Vincent Samuel Bernard LAISNE, Alec John McCALDEN, James Peter O'NEILL, Jorge TENIENTE-VALLINAS, Frank VAN DE WATER, Alfred A. ZINN, Peter DE MAAGT, and Chris MANN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371. (THE BASIC FILING FEE IS ATTACHED)
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)].
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. ☐ An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

Items 11 - 20 below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: PTO Form 1449, copy of International Search Report, 3 references

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50) 10/532,736		INTERNATIONAL APPLICATION NO. PCT/EP2003/013342		ATTORNEY DOCKET NO. 11016-0036 DATE: July 22, 2005	
<input type="checkbox"/> The following fees are submitted:				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
<input type="checkbox"/> 21.) Basic National Fee ..... <b>\$300</b>					
<input type="checkbox"/> 22.) Examination Fee - If International Preliminary Examination Report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$100</b> All other situations ..... <b>\$200</b>					
<input type="checkbox"/> 23.) Search Fee - If Search Fee (37 CFR 1.445(a)(2) has been paid in the International Application to the USPTO as an International Searching Authority ..... <b>\$100</b> International Search Report prepared and provided to the Office. <b>\$400</b> All other situations ..... <b>\$500</b>					
<b>TOTAL OF 21, 22 and 23 =</b>					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing on computer program listing filed in an electronic medium). The fee is <b>\$250</b> for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
-100	/50=		x <b>\$250</b>		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(h)].					
Claims	Number Filed	Number Extra	Rate		
Total Claims	- 20 =	0	X \$50.00		
Independent Claims	- 3 =	0	X \$200.00		
Multiple dependent claim(s) (if applicable)			+ \$360.00		
<b>TOTAL OF ABOVE CALCULATIONS =</b>					
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½					
<b>SUBTOTAL =</b>					
Processing fee of \$130.00 for furnishing the English translation later the 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)].					
<b>TOTAL NATIONAL FEE =</b>					
Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property					
<b>TOTAL FEES ENCLOSED =</b>					
				Amount to be refunded	\$
				Charged	\$
a. <input type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge Counsel's Deposit Account No. 50-1088 in the amount of \$ to cover the above fee. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Counsel's Deposit Account No. 50-1088. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive [37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:  <b>CLARK &amp; BRODY</b> 1090 Vermont Avenue, N.W. Suite 250 Washington, D.C. 20005 Telephone: 202-835-1111 Fax: 202-835-1755  Customer Number: 22902					
				 Christopher W. Brody Registration No. 33,613 Date: July 22, 2005	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(US/DO/EO)

Rec'd PCT/PTO 22 JUL 2005

In re the Application of:

Dario Calogero CASTIGLIONE et al.

Art Unit: not yet assigned

Application No.: 10/532,736

Examiner: not yet assigned

Filed: April 25, 2005

Attorney Dkt. No.: 11016-0036

For: SUB-MILLIMETRE WAVELENGTH CAMERA

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

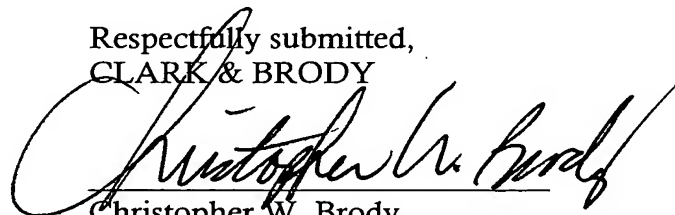
Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Since this application was filed after June 30, 2003 and as permitted by Rule 1.98(a), copies of the U.S. references are not included herewith.

Applicants respectfully submit that this disclosure is being filed in accordance with 37 C.F.R. 1.97(b), therefore, no fee is required.

Respectfully submitted,  
CLARK & BRODY



Christopher W. Brody  
Registration No. 33,613

**Customer No. 22902**  
1090 Vermont Avenue, N.W., Suite 250  
Washington, D.C. 20005  
Telephone: 202-835-1111  
Facsimile: 202-835-1755

Date: July 22, 2005

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>11016-0036</b>	SERIAL NO. <b>10/532,736</b>
	APPLICANT <b>Dario Calogero CASTIGLIONE et al.</b>	
	FILING DATE <b>04/25/2005</b>	GROUP ART UNIT <b>Not yet assigned</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	1.	6,229,411	05/08/2001	MANN			
	2.	6,323,818	11/27/2001	KOH et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
							YES	NO	PART.
	3.	WO 98/42486	10/01/1998	PCT			X		

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

4.	V. Lubecke, et al., "Micromachining for Terahertz Applications", IEEE Transactions on Microwave Theory and Techniques, Vol. 46, No. 11, November 1998, pgs. 1821-1831
5.	P. De Maagt, et al., "Integrated Antenna Technology for Millimetre and Sub-Millimetre Waves", Preparing for the Future, ESA, Noordwijk, NL, Vol. 8, No. 2, June 1, 1998, pgs. 18-19
6.	C. Mann, et al., "Invited - Microfabrication of 3D Terahertz Circuitry", 2003 IEEE MTT-S Int'l. Microwave Symposium Digest, Philadelphia, PA, June 8-13, 2003, pgs. 739-742

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.